

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052819\
 Data File : VW010579.D
 Acq On : 28 May 2019 21:07
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:06:13 AM

Quant Time: May 29 08:05:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	127669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	220242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	99910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	69149	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	7.88	113	70380	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.32	98	263479	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.62	95	102745	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	51377	45.144	ug/l	98
3) Chloromethane	2.21	50	55928	41.694	ug/l	98
4) Vinyl Chloride	2.35	62	61572	39.628	ug/l	97
5) Bromomethane	2.75	94	47030	43.998	ug/l	96
6) Chloroethane	2.90	64	44979	45.095	ug/l	100
7) Trichlorofluoromethane	3.25	101	111239	48.493	ug/l	98
8) Diethyl Ether	3.68	74	38199	52.532	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70020	49.565	ug/l	98
10) Methyl Iodide	4.27	142	75456	46.731	ug/l	97
11) Tert butyl alcohol	5.17	59	39687	334.822	ug/l	94
12) 1,1-Dichloroethene	4.03	96	65941	48.899	ug/l	99
13) Acrolein	3.89	56	19429	284.373	ug/l	95
14) Allyl chloride	4.67	41	95229	48.786	ug/l	99
15) Acrylonitrile	5.37	53	80243	263.496	ug/l	98
16) Acetone	4.12	43	69797	259.484	ug/l	100
17) Carbon Disulfide	4.37	76	181899	45.223	ug/l	99
18) Methyl Acetate	4.67	43	36109	54.889	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	183890	53.490	ug/l	97
20) Methylene Chloride	4.92	84	74844	47.130	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	78419	50.698	ug/l	95
22) Diisopropyl ether	6.31	45	203685	50.890	ug/l	97
23) Vinyl Acetate	6.26	43	608680	254.588	ug/l	100
24) 1,1-Dichloroethane	6.21	63	122890	51.451	ug/l	98
25) 2-Butanone	7.17	43	103104	267.843	ug/l	99
26) 2,2-Dichloropropane	7.17	77	108207	47.560	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	89014	52.933	ug/l	99
28) Bromochloromethane	7.51	49	43656	51.050	ug/l	92
29) Tetrahydrofuran	7.52	42	65704	252.241	ug/l	97
30) Chloroform	7.68	83	136409	52.947	ug/l	100
31) Cyclohexane	7.95	56	109892	43.923	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	124162	50.423	ug/l	98
36) 1,1-Dichloropropene	8.09	75	101328	49.388	ug/l	99
37) Ethyl Acetate	7.25	43	47163	54.057	ug/l	99
38) Carbon Tetrachloride	8.07	117	110155	49.771	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	133451	48.550	ug/l	98
40) Benzene	8.32	78	298133	52.281	ug/l	99
41) Methacrylonitrile	7.48	41	25947	50.052	ug/l	98
42) 1,2-Dichloroethane	8.40	62	86185	52.880	ug/l	100
43) Isopropyl Acetate	8.43	43	90288	51.801	ug/l	99
44) Trichloroethene	9.09	130	90653	53.547	ug/l	98
45) 1,2-Dichloropropane	9.37	63	71125	52.517	ug/l	100
46) Dibromomethane	9.46	93	43030	54.328	ug/l	95
47) Bromodichloromethane	9.65	83	105062	52.785	ug/l	99
48) Methyl methacrylate	9.43	41	40886	51.274	ug/l	97
49) 1,4-Dioxane	9.45	88	14979	1157.711	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	236902	268.227	ug/l	99
52) Toluene	10.39	92	200772	52.426	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	104573	51.876	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	120117	52.176	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	63488	55.742	ug/l	98
56) Ethyl methacrylate	10.65	69	82830	52.730	ug/l	99
57) 1,3-Dichloropropane	10.93	76	104936	55.003	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	180252	259.072	ug/l	98
59) 2-Hexanone	10.97	43	166868	264.853	ug/l	98
60) Dibromochloromethane	11.13	129	81465	56.515	ug/l	97
61) 1,2-Dibromoethane	11.24	107	63718	55.227	ug/l	99
64) Tetrachloroethene	10.86	164	77272	55.085	ug/l	99
65) Chlorobenzene	11.66	112	226866	52.898	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	83854	54.581	ug/l	99
67) Ethyl Benzene	11.73	91	382142	50.468	ug/l	100
68) m/p-Xylenes	11.84	106	301914	101.656	ug/l	99
69) o-Xylene	12.16	106	145590	51.740	ug/l	98
70) Styrene	12.18	104	251197	52.614	ug/l	99
71) Bromoform	12.35	173	47193	55.782	ug/l #	98
73) Isopropylbenzene	12.46	105	386627	48.766	ug/l	100
74) N-amyl acetate	12.27	43	89633	49.336	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	74713	51.811	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	40408m	39.844	ug/l	
77) Bromobenzene	12.75	156	95156	53.634	ug/l	95
78) n-propylbenzene	12.80	91	438674	47.479	ug/l	99
79) 2-Chlorotoluene	12.90	91	261516	48.808	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	332703	49.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22940	47.208	ug/l	98
82) 4-Chlorotoluene	12.99	91	274302	49.322	ug/l	99
83) tert-Butylbenzene	13.21	119	283620	48.355	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	329513	49.272	ug/l	99
85) sec-Butylbenzene	13.38	105	393494	47.939	ug/l	99
86) p-Isopropyltoluene	13.50	119	359381	48.372	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	181198	52.056	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	183570	52.563	ug/l	100
89) n-Butylbenzene	13.83	91	332973	47.118	ug/l	99
90) Hexachloroethane	14.10	117	70580	49.081	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	169643	53.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13809	51.500	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	117985	54.675	ug/l	99
94) Hexachlorobutadiene	15.24	225	61449	53.304	ug/l	97
95) Naphthalene	15.37	128	244300	53.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	104405	56.228	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

